

May 7, 2009

**ADDENDUM NO. 3  
FOR THE CONSTRUCTION OF THE  
MARTIN PARK LANDFILL GAS CUTOFF WALL RE-BID PROJECT**

Notice is hereby given that the following revisions, additions, and/or deletions are hereby made a part of and incorporated into the plans and specifications for the Martin Park Landfill Gas Cutoff Wall Re-Bid Project.

**PROJECT SPECIFICATIONS:**

**DELETE** the Proposal page 1 of 1, "Schedule of Quantities"

**ADD** the attached Proposal page 1A of 3, "Schedule of Quantities" (See clouded items)

**DELETE** the Proposal page 2 of 3

**ADD** the attached Proposal page 2 of 3 (See clouded items)

**DELETE** the Contract Page 1 of 1, "Schedule of Quantities"

**ADD** the attached Contract Page 1A of 3, "Schedule of Quantities" (See clouded items)

**DELETE** Attachment 1, "Nondiscrimination / Nonpreferential Treatment"

**ADD** the attached Attachment 1, "Nondiscrimination / Nonpreferential Treatment" (See clouded paragraph)

**DELETE** Section 10-1, "Table of Contents"

**ADD** the attached Section 10-1, "Table of Contents" (See clouded line items)

**DELETE** Section 10-3, "Refuse Removal"

**ADD** the attached Section 10-3, "Refuse Removal" (See clouded paragraphs)

**DELETE** Section 10-4, "Traffic Control"

**ADD** the attached Section 10-4, "Traffic Control" (See clouded paragraph)

**DELETE** Section 10-5, "Relocate Street Lights" (See clouded item)

**DELETE** Section 10-6, "LFG Cutoff Wall and Vent Trench"

**ADD** the attached Section 10-6, "LFG Cutoff Wall and Vent Trench" (See clouded paragraphs)

**DELETE** Section 10-18, "Pay Items"

**ADD** the attached Section 10-18, "Pay Items" (See clouded items)

**PROJECT PLANS:**

**DELETE** Sheet 3, "Existing Conditions and Demolition Plan"

**ADD** the attached Sheet 3, "Existing Conditions and Demolition Plan"

To: All Plan Holders for the Martin Park Landfill Gas Cutoff Wall Project

Subject: **ADDENDUM NO. 3**

May 7, 2009

Page 2

**DELETE** Sheet 4, "Existing Top of Refuse"

**ADD** the attached Sheet 4, "Existing Top of Refuse"

**DELETE** Sheet 5, "Proposed LFG Cutoff Wall and Utility Plan"

**ADD** the attached Sheet 5, "Proposed LFG Cutoff Wall and Utility Plan"

**DELETE** Sheet 6, "Details"

**ADD** the attached Sheet 6, "Details"

**DELETE** Sheet 12, "Landfill Gas Cutoff Wall and Vent Trench Layout"

**ADD** the attached Sheet 12, "Landfill Gas Cutoff Wall and Vent Trench Layout"

**DELETE** Sheet 13, "Landfill Gas Cutoff Wall and Vent Trench Details"

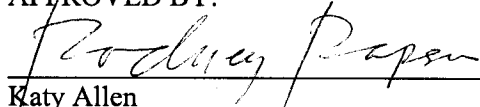
**ADD** the attached Sheet 13, "Landfill Gas Cutoff Wall and Vent Trench Details"

INSTRUCTIONS:

The bidder must sign this addendum in the space provided below and return one signed copy with the bid.

**Failure to return the signed copy with bid documents shall not relieve the bidder of the obligation to include this addendum to the bid proposal. Bidder's failure to sign and submit any or all addenda with the bid shall be cause for rejection of the bid.**

APPROVED BY:



Katy Allen

Director of Public Works

Bidder's Name \_\_\_\_\_

\_\_\_\_\_  
Signature and Title of Bidder

\_\_\_\_\_  
Date

**SCHEDULE OF QUANTITIES  
FOR  
MARTIN PARK LANDFILL - LFG CUTOFF WALL RE-BID**

ITEM	SPECIFICATION SECTION	DESCRIPTION OF ITEM	BASE BID	
1	10-2.2	Mobilization	\$	Lump Sum
2	10-2.3	Utility Conflict Cost Allowance (REVOCABLE)	\$8,000.00	Fixed Lump Sum
3	10-2.4	Erosion and Sediment Control	\$10,000.00	Fixed Lump Sum
4	10-2.5	Storm Water Pollution Prevention Plan	\$5,000.00	Fixed Lump Sum
5	10-2.6	Protection and Pruning of Existing Trees	\$	Lump Sum
6	10-2.7	Tree Removal	\$	Lump Sum
7	10-2.8	Demolition	\$	Lump Sum
8	10-2.9	Clearing and Grubbing	\$	Lump Sum
9	10-2.10	Temporary Construction Signs	\$	Lump Sum
10	10-3	Refuse Removal (REVOCABLE)	\$	Lump Sum
11	10-3	Backfill (REVOCABLE)	\$	Lump Sum
12	10-3	Additional Refuse Removal Cost Allowance - includes additional Backfill & AC - Trench Patch (REVOCABLE)	\$137,000.00	Fixed Lump Sum
13	10-4	Traffic Control	\$	Lump Sum
14	10-6	LFG Cutoff Wall	\$	Lump Sum
15	10-6	Vent Trench	\$	Lump Sum
16	10-6	Vent Riser	\$	Lump Sum
17	10-6	Landfill Gas Probe	\$	Lump Sum
18	10-7	Remove and Replace Chain Link Fence	\$	Lump Sum
19	10-8	PCC Walkway	\$	Lump Sum
20	10-8	Curb and Gutter	\$	Lump Sum
21	10-9	Asphalt Concrete - Trench Patch	\$	Lump Sum
22	10-10	Staking	\$	Lump Sum
<b>TOTAL BASE BID AMOUNT (Items 1 through 22, inclusive)</b>			\$	Lump Sum

DELETED  
"RELOCATE  
STREET LIGHTS"

**Note To Bidders: The Bidder's Bond shall be at least 10% of the TOTAL BASE BID AMOUNT.**



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in accordance with the requirements set forth above for corporations; if any of the partners are partnerships, execution for such partners shall be accomplished in accordance with the requirements set forth above for partnership; if bidder is a joint-venture, the legal name of the joint venture, if one exists, shall be set forth above for partnerships. If signature is by an agent other than an officer of a corporation, or member of a partnership or a joint venture, a Power of Attorney must be on file with the City Clerk prior to opening bids or submitted with the bid; otherwise, the bid may, at the City's option, be disregarded as non-responsive.

If this proposal shall be accepted and the undersigned shall fail to contract, and to give the Contractor's Bond For Faithful Performance and the Contractor's Payment Bond required by the specifications and contract and by law, and to provide all insurance as required by said contract, within eight (8) days after the bidder has received notice from the City of San Jose, the City may, at its option, determine that the bidder has abandoned his/her contract, and thereupon this proposal and the acceptance thereof shall be null and void, and the forfeiture of such security accompanying this proposal shall operate and the same shall be the property of the City of San Jose.

In accordance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding on contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board. Signing this Proposal on the signature portion thereof shall constitute signature of this Statement.

Accompanying this proposal are the following documents completely filled in by the bidder and the same are incorporated herein by reference;

1. Cash, a cashier's check or a certified check made payable to City, or a bidder's bond executed by an admitted surety insurer naming the City as beneficiary, in an amount equal to at least ten percent (10%) of the total amount bid including all alternatives.

2. A "List of Subcontractors".

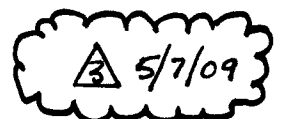
3. A "Statement of Bidder's Experience".

City may at its option, request additional supplemental information after bid opening.

Bidder understands that the City reserves the right to reject any or all bids and to waive any informalities in the bidding.

**The undersigned, as bidder, declares that in listing subcontractors in this bid, I have not discriminated or given any preference to any firm based on race, sex, color, age, religion, sexual orientation, actual or perceived gender identity, disability, ethnicity, or national origin. I understand that any such discrimination or preference is in violation of Chapter 4.08 of the Municipal Code.**

**Execution of the Non-Collusion Affidavit constitutes execution of this Bid Proposal including the above statement of nondiscrimination and, with the exception of the Bidder's Bond or Addenda, if any, no other signatures will be required.**

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**SCHEDULE OF QUANTITIES  
FOR  
MARTIN PARK LANDFILL - LFG CUTOFF WALL RE-BID**

ITEM	SPECIFICATION SECTION	DESCRIPTION OF ITEM	BASE BID	
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22	10-10	Staking	\$	Lump Sum
<b>TOTAL BASE BID AMOUNT (Items 1-through 22, inclusive)</b>			\$	Lump Sum

DELETED  
"RELOCATE  
STREET LIGHTS"

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# ATTACHMENT 1

## **NONDISCRIMINATION / NONPREFERENTIAL TREATMENT APPLICABLE TO CONTRACTS FOR PUBLIC WORKS CONSTRUCTION PROJECTS**

### **Statement of Purposes**

It is the Policy of the City of San Jose that **no discrimination or preferences** shall be permitted in the subcontracting of the City of San Jose construction contracts. Studies have demonstrated that there has been a pattern of discrimination against certain minority groups and women by contractors in the subcontracting of public works contracts. All contractors shall fully comply with Chapter 4.08 of the San Jose Municipal Code and shall not discriminate against or grant preferential treatment to any subcontractor on the basis of race, sex, color, age, religion, sexual orientation, actual or perceived gender identity, disability, ethnicity, or national origin in the performance of the City of San Jose contracts. Any contractor who so discriminates or gives preferences shall be deemed not to be a responsible bidder in accordance with City of San Jose Charter Section 1217.

### **SECTION I -- REQUIREMENT**

These provisions, entitled, **“NONDISCRIMINATION / NONPREFERENTIAL TREATMENT APPLICABLE TO CONTRACTS FOR PUBLIC WORKS CONSTRUCTION PROJECTS** are incorporated in and made part of the Special Provisions.

In addition, each bidder must - as part its “PROPOSAL TO CITY OF SAN JOSE” for this project - declare under penalty of perjury that in listing subcontractors in its bid it has not discriminated or given any preference to any firm based on race, sex, color, age, religion, sexual orientation, disability, ethnicity, or national origin. See, PROPOSAL TO CITY OF SAN JOSE.

### **SECTION II -- CONFLICT WITH APPLICABLE FEDERAL OR STATE LAW**

In the event that a particular City public works contract is funded or required to be approved in whole or in part by the State or Federal government and any provision contained herein is inconsistent with any applicable state or federal statutes, rules or regulations, orders or controlling policies pertaining to such funding or approval, to the extent that any such provision is inconsistent, it shall not apply to the contract. To the extent a Federal project requires an MBE/WBE Program, the Program set forth in Resolution #67001 shall be applicable.

### **SECTION III -- VIOLATION OF SECTION**

Be aware that any Prime Contractor who discriminates or gives preferences is in violation of Chapter 4.08 of the San Jose Municipal Code. Any such violation, in addition to all other remedies set forth in the Municipal Code, is further subject to the provisions of the San Jose Municipal Code, Chapter 4.10 of Title 4, Debarment of Contractors From City Contracts

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MARTIN PARK LANDFILL - LFG CUTOFF WALL RE-BID  
SAN JOSE, CALIFORNIA

SECTION 10 - PROJECT CONSTRUCTION SPECIFICATIONS

SECTION 10-1 TABLE OF CONTENTS

- 10-2 GENERAL CONSTRUCTION ITEMS
  - 10-2.1 DESCRIPTION
  - 10-2.2 MOBILIZATION
  - 10-2.3 UTILITY CONFLICT COST ALLOWANCE
  - 10-2.4 EROSION AND SEDIMENT CONTROL
  - 10-2.5 STORM WATER POLLUTION PREVENTION PLAN
  - 10-2.6 PROTECTION AND PRUNING OF EXISTING TREES
  - 10-2.7 TREE REMOVAL
  - 10-2.8 DEMOLITION
  - 10-2.9 CLEARING AND GRUBBING
  - 10-2.10 TEMPORARY CONSTRUCTION SIGNS
- 10-3 REFUSE REMOVAL
- 10-4 TRAFFIC CONTROL
- 10-5 ~~RELOCATE STREET LIGHTS NOT USED~~
- 10-6 LFG CUTOFF WALL AND VENT TRENCH
- 10-7 REMOVE AND REPLACE CHAIN LINK FENCE
- 10-8 PCC WALKWAY AND CURB AND GUTTER
- 10-9 ASPHALT CONCRETE - TRENCH PATCH
- 10-10 STAKING
- 10-11 CONTROLLED DENSITY FILL
- 10-12 TEMPORARY CONSTRUCTION FENCE AND GATES

10-18 PAY ITEMS

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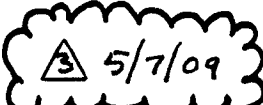
10-3 REFUSE REMOVAL

- 10-3.1 HANDLING REFUSE - For handling refuse and other on-site materials, refer to the following documents included in the contract documents:

“Health and Safety Plan”, TRC, May 16, 2006.

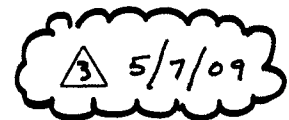
“Construction Quality Assurance Plan”, TRC, June 6, 2006.

- 10-3.2 EXCAVATED MATERIAL - All refuse and soil generated from excavations, including trench spoil from the vent trench excavation, shall be considered refuse and shall be handled and disposed according to this section.
- 10-3.3 BACKFILL OF EXCAVATIONS - All excavations shall be backfilled with clean imported soil meeting City standards for General Fill and in accordance with the Construction Quality Assurance Plan included in the contract documents. If the backfill is excavated to install the vent trench, it may be re-used as backfill for the project. No existing on-site soil can be used as backfill for the project. Backfill shall be installed in conformance with the applicable provisions of Section 1301, “Trench Excavation, Bedding and Backfill” of the City Standard Specifications, the Plans, and these special provisions.
- 10-3.4 DISPOSAL OF REFUSE - Refuse, soil, and any materials remaining upon completion of the work shall become the property of the Contractor unless otherwise specified herein or noted on the plans, and shall be transported and disposed of off-site in a lawful manner.
- 10-3.5 MEASUREMENT AND PAYMENT FOR REFUSE REMOVAL - The lump sum bid for this item is based on removal and disposal of up to 2,100 CY of refuse, soil, and vent trench spoil. With the bid, Contractor shall submit to the Engineer for approval a proposed methodology for documenting the quantity of refuse, soil, and vent trench spoil removed. The contract lump sum price paid for refuse removal shall include full compensation for transport and off-site disposal of refuse, soil, and vent trench spoil, and furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in refuse removal as specified herein. See Section 10-18 for delineation of pay items.

  
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- 10-3.6 MEASUREMENT AND PAYMENT FOR BACKFILL - The lump sum bid for this item is based on up to 1,800 CY of backfill compacted in-place. With the bid, Contractor shall submit to the Engineer for approval a proposed methodology for documenting the quantity of backfill. The contract lump sum price paid for backfill shall include full compensation for import material commodity costs, transport, stockpiling, placing, compacting, and furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in backfill as specified herein. Backfill includes the cutoff wall and vent trench cap, but excludes permeable vent trench backfill which is included in the lump sum price for the Vent Trench. See Section 10-18 for delineation of pay items.
- 10-3.7 ADDITIONAL REFUSE REMOVAL COST ALLOWANCE - This item is provided to account for Additional Refuse Removal required in excess of 2,100 CY, Additional Backfill required in excess of 1,800 CY, and Additional Asphalt Concrete - Trench Patch required if Additional Refuse Removal and Backfill are required within the paved areas of Forestdale Avenue. This work shall be performed only upon written authorization from the Engineer. Daily Extra Work reports will be submitted to and approved by the Engineer in accordance with the provisions of Section 9-1.03C "Records" of the City Standard Specifications. See Section 10-18 for delineation of pay items.

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10-4 TRAFFIC CONTROL

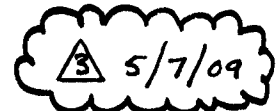
- 10-4.1 TRAFFIC CONTROL shall be in accordance with the applicable provisions of Section 7-1.08, "Public Convenience", Section 7-1.09, "Public Safety", and Section 12, "Construction Area Traffic Control Devices", of the City Standard Specifications and these Special Provisions.

All traffic control shall be under the direction of and coordinated with the Engineer. Construction shall be organized so as to cause the least possible inconvenience to traffic. The Contractor shall provide all required signs, barricades, lights, high level flagtrees, flagmen, and devices at his own expense.

10-4.2 GENERAL REQUIREMENTS

Note that Items 1 through 4 below do not apply to Forestdale Avenue between the "Limit of Full Road Closure" indicated on Sheet 3 of the plans. Within the "Limit of Full Road Closure", Forestdale Avenue may be completely closed for the duration of the project. Item 6 below, and all other applicable provisions of these specifications, shall still apply.

- (1) The Contractor shall restrict traffic lanes from 9:00 am to 3:30 pm only.
- (2) The Contractor shall maintain property access at all times.
- (3) The Contractor shall maintain pedestrian access at all times.
- (4) No equipment shall be allowed to be parked within any traffic lanes or medians after work hours.
- (5) The Contractor shall provide traffic control by Reserve Police at all signalized intersections. The Contractor shall schedule police at least 14 days in advance by calling Dave Longacre, Jr. at pager (408) 231-6667 and leaving a message, or by calling (408) 277-4963.
- (6) The Contractor shall notify City of San Jose Police Department Traffic Enforcement of any detours and street closures at (408) 277-4341.
- (7) If construction will obstruct a bus stop, the Contractor shall notify Ron Wong, Santa Clara County Transit, 48 hours in advance at (408) 321-7054.
- (8) On streets with one traffic lane in each direction, the Contractor shall maintain one 14 foot lane for two-way operation. Two flagmen shall be required.

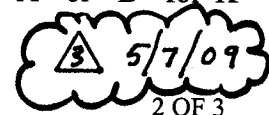


TRAFFIC CONTROL

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- (9) On streets with two or more traffic lanes in each direction, the Contractor shall reduce traffic by one lane only in each direction.
- (10) On one-way streets, Contractor shall reduce traffic by one lane only.
- (11) The Contractor shall provide electric arrow board(s) for lane reductions. All traffic lane diversions and separations shall be delineated with Type II barricades, 28" traffic cones, or 48" delineators spaced 25' O.C. The tapered transition length shall be 150' minimum. Post "KEEP RIGHT" or "KEEP LEFT" signs on high level flagtrees or Type II barricades at the beginning of each diversion or separation.
- (12) The Contractor shall be responsible for informing the public of traffic conditions existing within the construction area at all times by placement of appropriate warning and advisory signs.
- (13) The Contractor shall provide and maintain all traffic control and safety items. The Contractor assumes sole and complete responsibility for the job and site conditions during the course of construction, including safety of all persons and property. This requirement shall apply continuously 24 hours/day and shall not be limited to normal work hours.
- (14) Upon completion of all work requiring use of lane closures, the Contractor shall remove all signs, barricades, and markers and shall return the roadway and roadside areas to a condition equal to that which existed prior to construction.
- (15) The Contractor shall not work within two adjacent intersections at the same time.
- (16) The Contractor shall not close two adjacent streets at the same time.
- (17) All trench excavations shall be backfilled or steel plated at the end of each work day, when working in an intersection, median, or traffic lane. A 2" temporary A.C. surface shall be installed on backfilled trenches. Contractor shall maintain temporary A.C. surface to provide safe and comfortable passage over or along same, for pedestrian and public vehicular traffic to the satisfaction of the Inspector in the field. In sidewalk areas, 3/4" plywood may be substituted for steel trench plates.
- (18) Any excavation permitted to be left open shall be barricaded with Type II and Type III barricades with flashers. "OPEN TRENCH" signs shall be posted at 30' O.C. A minimum of 15 Type III barricades shall be available for diverting traffic and barricading trenches. See "Securing Open Trench Detail "A" or "B" for K-railing and Chain Link Fencing".



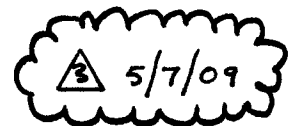
TRAFFIC CONTROL

CITY OF SAN JOSE  
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SAN JOSE, CALIFORNIA

- (19) All open excavated areas shall be barricaded with at least two Type III barricades at the end of the excavation that faces oncoming traffic. The longitudinal edge of pavement excavation shall be delineated with Type II barricades spaced 25' O.C. Attach "OPEN TRENCH" signs to barricades 200' O.C.
- (20) Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor.
- (21) The Contractor shall leave the project site in a neat, clean, and presentable state at the close of every work day.
- (22) If material from the trench excavation spills onto the roadway, the roadway area shall be swept and washed with water to provide a safe and dust free surface before the lane is re-opened.
- (23) All personnel occupying the roadway or median shall be required to wear approved safety vests with protective coloration.

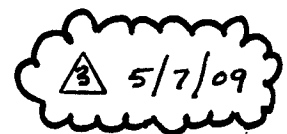
10-4.3    CONTRACTOR RESPONSIBILITY – Should the Contractor fail, be neglectful, or be negligent in furnishing and/or maintaining the required warning and protective facilities, the City may furnish and/or maintain these facilities. The City shall charge the Contractor the cost for providing the required warning and protective facilities by deducting this cost from the periodic progress payments due the Contractor as these costs are incurred by the City.

10-4.4    MEASUREMENT AND PAYMENT – See Section 10-18 for delineation of pay items.



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10-5 NOT USED



NOT USED

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10-6 LFG CUTOFF WALL AND VENT TRENCH

10-6.1 LFG CUTOFF WALL AND VENT TRENCH shall be installed in conformance with the applicable provisions of Section 1301, "Trench Excavation, Bedding and Backfill" of the City Standard Specifications, the Plans, and these special provisions.

10-6.2 LFG CUTOFF WALL – MATERIALS

10-6.2.1 The cutoff wall liner shall be a geomembrane as defined in Title 27 of the California Code of Regulation (27 CCR) Section 20164. If high-density polyethylene (HDPE) is proposed for the geomembrane liner, it shall be 80-mil thickness and smooth, and meet the requirements of GRI GM-13.

10-6.2.2 Geomembrane panels shall be pre-fabricated with a contiguous male/female interlock system.

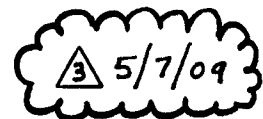
10-6.2.3 Joint sealant shall be a single-component, hydrophilic mastic designed specifically for sealing the interlocking geomembrane joints.

10-6.3 LFG CUTOFF WALL - EXECUTION

10-6.3.1 Geomembrane panels shall be driven to the design depth using vibratory methods. A steel guidesheet, or similar device, may be used but shall be removed once the design depth is reached.

10-6.3.2 Each successively driven geomembrane panel shall be interlocked in accordance with the Manufacturer's recommendations and the joint shall be completely sealed along the full length of the interlock.

10-6.3.3 At the locations where an existing pipe crosses the cutoff wall, a trench plug shall be installed as shown on Detail C on Sheet 13 of the plans, and in accordance with Section 10-11, "Controlled Density Fill" of the project specifications.



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10-6.4 VENT TRENCH EXCAVATION

10-6.4.1 Excavation of the vent trench shall be performed by Contractor in such a manner that prevents caving or collapse prior to backfill.

10-6.4.2 Trench sides shall be smooth and vertical.

10-6.4.3 Contractor shall be responsible for any shoring or other support system for the trench sides needed during excavation and/or prior to backfill.

10-6.4.4 All material generated by excavating for the vent trench shall be considered refuse and shall be handled and disposed of in accordance with Section 10-3 "Refuse Removal" of these specifications.

10-6.4.5 If any refuse is encountered during the excavation of the vent trench, the refuse shall be removed as directed by the Geotechnical engineer and replaced with backfill in accordance with Section 10-3 "Refuse Removal" of these specifications.

10-6.5 VENT TRENCH BACKFILL - MATERIALS

10-6.5.1 Backfill material shall be as shown on Sheet 12 of the Plans.

10-6.6 VENT TRENCH BACKFILL – EXECUTION

10-6.6.1 Backfill of the vent trench shall be performed by Contractor in such a manner that prevents caving or collapse prior to completion of backfill.

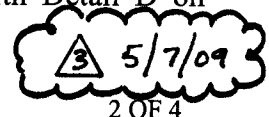
10-6.6.2 Contractor shall be responsible for any shoring or other support system for the trench sides needed during backfill.

10-6.6.3 Gravel backfill shall be placed in such a manner that causes no damage to the trench sidewalls.

10-6.6.4 Solid PVC pipe joints, connections and fittings shall be glued.

10-6.7 VENT RISER

10-6.7.1 Vent risers shall be installed in accordance with Detail D on Sheet 12 of the Plans.



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10-6.8 LANDFILL GAS PROBE

10-6.8.1 Landfill gas probes shall be installed in accordance with Details E & F on Sheet 12 of the Plans.

10-6.9 CONSTRUCTION QUALITY ASSURANCE

10-6.9.1 Representing the Owner/Operator (City of San Jose ESD), CQA Manager will provide inspections, as needed, to ensure the integrity of the LFG control system (cutoff wall and vent trench).

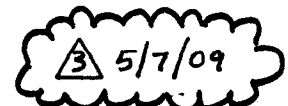
10-6.9.2 Prior to site delivery, the Manufacturer of the geomembrane liner panels shall provide CQA Manager with Manufacturer's Quality Control (MQC) testing report for the manufactured geomembrane sheets with test results cross-referenced to panel or roll numbers for materials delivered to the site, and a certification that the geomembrane supplied meets the requirements of this specification. Prior to installation, CQA Manager will inspect each geomembrane liner panel for holes, punctures, tears or other damage. Damaged panels will be rejected by CQA Manager and shall not be used.

10-6.9.3 For all other backfill materials, prior to site delivery, Contractor shall provide CQA Manager with Manufacturer's Quality Control (MQC) testing results, laboratory test results, Supplier certification or cut-sheets, or other data that indicates the materials to be used are in conformance with these Specifications or as shown on the Plans.

10-6.9.4 Prior to construction, the Design Engineer (TRC) shall obtain and review all applicable test reports, shop drawings, and Manufacturer's certificates to verify that all equipment and materials to be used in the LFG control system (cutoff wall and trench) have been manufactured in accordance with industry standards.

10-6.10 MEASUREMENT AND PAYMENT

10-6.10.1 The contract lump sum price paid for LFG cutoff wall shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in LFG cutoff wall as specified herein, including installation of all trench plugs.



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10-6.10.2 The contract lump sum price paid for vent trench shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in vent trench as specified herein.

10-6.10.3 The contract lump sum price paid for vent riser shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing 18 vent risers as specified herein.

10-6.10.4 The contract lump sum price paid for landfill gas probe shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing 8 landfill gas probes as specified herein.

10-6.10.5 Measurement and payment for refuse removal shall be as indicated in Section 10-3 "Refuse Removal" of these specifications.

10-6.10.6 Measurement and payment for backfill shall be as indicated in Section 10-3 "Refuse Removal" of these specifications.

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SECTION 10-18 PAY ITEMS

10-18.1 The purpose of this section is to delineate the scope of pay items and basis for payment for the bid (items 1 through 22 inclusive).

10-18.2 Payment:

- 1) Payment for MOBILIZATION shall be as specified in Section 10-2.2. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 1 – MOBILIZATION ..... Lump Sum

- 2) Payment for UTILITY CONFLICT COST ALLOWANCE (fixed lump sum) shall be as specified in Sections 10-2.3. Payment shall include full compensation for all labor, materials, tools, equipment, and incidentals for doing all work involved in the Utility Conflict Work Cost Allowance in accordance with the project Plans and Specifications, City Standard Specifications and Standard Details, and to the satisfaction of the Engineer. Work under this item shall be considered as extra work paid for on a force account basis per Section 9-1.03 of the City of San Jose Department of Public Works Standard Specifications and per Section 9-1.03A of the Special Provisions. This pay item shall be considered as a revocable bid item per Section 4-1.03E of the Special Provisions.

Payment shall be listed as:

Item 2-UTILITY CONFLICT WORK COST ALLOWANCE (Revocable) Fixed Lump Sum

- 3) Payment for EROSION AND SEDIMENT CONTROL (fixed lump sum) shall be as specified in Section 10-2.4. Payment shall include full compensation for all labor, materials, tools, equipment, and incidentals for doing all work involved in the Erosion and Sediment Control including unforeseen measures not addressed in the Storm Water Pollution Prevention Plan pay item in accordance with the National Pollution Discharge Elimination System (NPDES), the City Standard Plans and Specifications, and to the satisfaction of the Engineer.

Payment shall be listed as:

Item 3 – EROSION AND SEDIMENT CONTROL ..... Fixed Lump Sum

- 4) Payment for STORM WATER POLLUTION PREVENTION PLAN (fixed lump sum) shall be as specified in Section 10-2.5. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

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Payment shall be listed as:

Item 4 – STORM WATER POLLUTION PREVENTION PLAN  Fixed Lump Sum

- 5) Payment for PROTECTION AND PRUNING OF EXISTING TREES shall be specified in Section 10–2.6. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 5 – PROTECTION AND PRUNING OF EXISTING TREES ..... Lump Sum

- 6) Payment for TREE REMOVAL shall be specified in Section 10–2.7. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 6 – TREE REMOVAL ..... Lump Sum

- 7) Payment for DEMOLITION shall be specified in Section 10–2.8. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 7 – DEMOLITION ..... Lump Sum

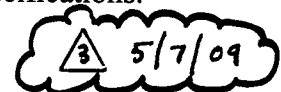
- 8) Payment for CLEARING AND GRUBBING shall be as specified in Sections 10-2.9. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 8 – CLEARING AND GRUBBING ..... Lump Sum

- 9) Payment for TEMPORARY CONSTRUCTION SIGNS shall be as specified in Sections 10-2.10. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:



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Item 9 – TEMPORARY CONSTRUCTION SIGNS ..... Lump Sum

- 10) Payment for REFUSE REMOVAL shall be as specified in Section 10-3.5. Payment shall include full compensation for transport and off-site disposal of refuse and vent trench spoil, and furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the above described work to the satisfaction of the Engineer. The lump sum bid price for this item is based on up to 2,100 CY of refuse, soil, and vent trench spoil. Work under this item shall be considered as extra work paid for on a force account basis per Section 9-1.03 of the City of San Jose Department of Public Works Standard Specifications and per Section 9-1.03A of the Special Provisions. This pay item shall be considered as a revocable bid item per Section 4-1.03E of the Special Provisions.

Payment shall be listed as:

Item 10 – REFUSE REMOVAL ..... (Revocable) Lump Sum

- 11) Payment for BACKFILL shall be as specified in Section 10-3.6. Payment shall include full compensation for import material commodity costs, transport, stockpiling, placing, compacting, and furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the above described work to the satisfaction of the Engineer. The lump sum bid price for this item is based on up to 1,800 CY of backfill compacted in-place. Work under this item shall be considered as extra work paid for on a force account basis per Section 9-1.03 of the City of San Jose Department of Public Works Standard Specifications and per Section 9-1.03A of the Special Provisions. This pay item shall be considered as a revocable bid item per Section 4-1.03E of the Special Provisions.

Payment shall be listed as:

Item 10 – BACKFILL ..... (Revocable) Lump Sum

- 12) Payment for ADDITIONAL REFUSE REMOVAL COST ALLOWANCE (fixed lump sum) shall be as specified in Section 10-3.7, and shall include Additional Backfill and Additional Asphalt Concrete - Trench Patch. Payment shall include full compensation for all labor, materials, tools, equipment, and incidentals for doing all work involved in the Additional Refuse Removal Cost Allowance in accordance with the project Plans and Specifications, City Standard Specifications and Standard Details, and to the satisfaction of the Engineer. Work under this item shall be considered as extra work paid for on a force account basis per Section 9-1.03 of the City of San Jose Department of Public Works Standard Specifications and per Section 9-1.03A of the Special Provisions. This pay item shall be considered as a revocable bid item per Section 4-1.03E of the Special Provisions.

Payment shall be listed as:

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Item 12-ADDITIONAL REFUSE REMOVAL COST ALLOWANCE (Revocable)Fixed Lump

- 13) Payment for TRAFFIC CONTROL shall be as specified in Section 10-4. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 13 - TRAFFIC CONTROL ..... Lump Sum

- 14) Payment for LFG CUTOFF WALL shall be as specified in Section 10-6. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

Payment shall be listed as:

Item 14 - LFG CUTOFF WALL ..... Lump Sum

- 15) Payment for VENT TRENCH shall be as specified in Section 10-6. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

Payment shall be listed as:

Item 15 - VENT TRENCH ..... Lump Sum

- 16) Payment for VENT RISER shall be as specified in Section 10-6. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

Payment shall be listed as:

Item 16 - VENT RISER ..... Lump Sum

- 17) Payment for LANDFILL GAS PROBE shall be as specified in Section 10-6. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

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Item 17 – LANDFILL GAS PROBE ..... Lump Sum

- 18) Payment for REMOVE AND REPLACE CHAIN LINK FENCE shall be as specified in Section 10-7. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

Payment shall be listed as:

Item 18 – REMOVE AND REPLACE CHAIN LINK FENCE ..... Lump Sum

- 19) Payment for PCC WALKWAY shall be as specified in Section 10-8. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

Payment shall be listed as:

Item 19 – PCC WALKWAY ..... Lump Sum

- 20) Payment for CURB AND GUTTER shall be as specified in Section 10-8. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing the work shown on the Plans.

Payment shall be listed as:

Item 20 – CURB AND GUTTER ..... Lump Sum

- 21) Payment for ASPHALT CONCRETE – TRENCH PATCH shall be as specified in Section 10-9. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications. The lump sum bid price for this item is based on completing asphalt concrete trench patch as shown on the Plans including Details 1 and 2 on sheet 6. Any additional asphalt concrete trench patch, as may be necessary if refuse is encountered along Forestdale Avenue, will be considered as a change order, as described under Item 12.

Payment shall be listed as:

Item 21 – ASPHALT CONCRETE - TRENCH PATCH ..... Lump Sum

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- 22) Payment for STAKING shall be as specified in Section 10-10. Payment shall include full compensation for all labor, materials, tools, and equipment necessary to complete the above described work to the satisfaction of the Engineer in accordance with the Plans and Specifications.

Payment shall be listed as:

Item 22 – STAKING ..... Lump Sum

10-18.3 ..... Payment will be made under the following items:

BID ITEM NUMBERS

1. Mobilization ..... Lump Sum
2. Utility Conflict Cost Allowance ..... (Revocable) Fixed Lump Sum
3. Erosion and Sediment Control ..... Fixed Lump Sum
4. Storm Water Pollution Prevention Plan ..... Fixed Lump Sum
5. Protection and Pruning of Existing Trees ..... Lump Sum
6. Tree Removal ..... Lump Sum
7. Demolition ..... Lump Sum
8. Clearing and Grubbing ..... Lump Sum
9. Temporary Construction Signs ..... Lump Sum
10. Refuse Removal ..... (Revocable) Lump Sum
11. Backfill ..... (Revocable) Lump Sum
12. Additional Refuse Removal Cost Allowance ... (Revocable) Fixed Lump Sum  
(includes Additional Backfill & Additional AC - Trench Patch)
13. Traffic Control ..... Lump Sum
14. LFG Cutoff Wall ..... Lump Sum
15. Vent Trench ..... Lump Sum
16. Vent Riser ..... Lump Sum
17. Landfill Gas Probe ..... Lump Sum
18. Remove and Replace Chain Link Fence ..... Lump Sum

DELETED  
"RELOCATE  
STREET LIGHTS"

PAY ITEMS

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- 19. PCC Walkway ..... Lump Sum
- 20. Curb and Gutter ..... Lump Sum
- 21. Asphalt Concrete – Trench Patch ..... Lump Sum
- 22. Staking ..... Lump Sum

10-18.4 Payment for items not mentioned as part of the above bid items, but included as part of this project, are to be included by the Contractor in the appropriate item of work. For example, no separate payment shall be made for mineral aggregate base work as this is to be included under the appropriate sections for concrete, asphalt concrete, etc.

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